

(7)

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

HEALTH EFFECTS DIVISION
SCIENTIFIC DATA REVIEWS
EPA SERIES 361OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCESMEMORANDUM

Date: 03-AUG-2005

Subject: **Difenoconazole** - Acute and Chronic Dietary Exposure Assessments.
PC Code: 128847. DP#: 319943. Decision#: 301882.Reviewer: Sarah J. Levy, M.S., Chemist *Sarah J. Levy*
Registration Action Branch 1/Health Effects Division (RAB1/HED; 7509C)Through: Sheila Piper, Chemist *Sheila Piper*
William Cutchin, Chemist *William Cutchin*
Dietary Exposure Science Advisory Council (DE SAC)PV Shah, Ph.D., Branch Senior Scientist *PV Shah*
RAB1/HED (7509C)To: Sarah J. Levy, M.S., Risk Assessor
RAB1/HED (7509C)**Executive Summary**

Acute and chronic dietary risk assessments were conducted using the Dietary Exposure Evaluation Model - Food Consumption Intake Database (DEEM-FCID™, ver. 2.03) model. This model uses food consumption data from the United States Department of Agriculture's (USDA's) Continuing Surveys of Food Intakes by Individuals (CSFII; 1994-1996 and 1998). These analyses were performed to support Section 3 registrations for the application of difenoconazole to barley, cotton, sweet corn, and tolerances for imported grapes and pome fruit.

Acute: The acute analysis assumed tolerance-level residues, 100% crop treated (CT), and DEEM™ (ver. 7.76) default processing factors for all proposed and registered commodities (Tier 1). The resulting acute food exposure estimates were less than HED's level of concern at the 95th percentile ($\leq 1.0\%$ acute population-adjusted dose (aPAD) for females 13-49 years old; an acute endpoint was not established for the general U.S. population, including infants and children).

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

Chronic: The chronic analysis assumed tolerance-level residues for all proposed commodities, anticipated residues (ARs) for the previously-registered commodities, and 100% CT and DEEM™ (ver. 7.76) default processing factors for all commodities (partially refined, Tier 2 analyses). The resulting chronic food exposure estimates were less than HED's level of concern ($\leq 16\%$ chronic population adjusted dose (cPAD); children 1-2 years old were the most highly exposed population). A cancer dietary assessment was *not* conducted for difenoconazole because the cancer no-observable-adverse-effect- level (NOAEL) is higher than the chronic reference dose (RfD); therefore, the chronic dietary risk estimate is more protective.

I. Introduction

Dietary risk assessment incorporates both exposure and toxicity of a given pesticide. For acute and chronic assessments, the risk is expressed as a percentage of a maximum acceptable dose (*i.e.*, the dose which HED has concluded will result in no unreasonable adverse health effects). This dose is referred to as the PAD. The PAD is equivalent to the RfD divided by the special Food Quality Protection Act (FQPA) Safety Factor (SF). For acute and chronic exposures, HED is concerned when estimated dietary risk exceeds 100% of the aPAD and cPAD, respectively.

The last dietary risk assessment for difenoconazole was conducted on 12-OCT-1999 (Memo, S. Chun, DP# 258775). The current acute and chronic dietary assessment is an update of the previous assessment conducted in 1999 (*i.e.*, the current commodities were added at the HED-recommended tolerance levels to the last dietary assessment).

II. Residue Information

Difenoconazole tolerances are published in 40 CFR§180.475.

Residues of Concern in Plants and Livestock: Table 1 is a summary of the HED Metabolism Assessment Review Committee (MARC) decisions concerning the residues of concern in plants, ruminants, and milk for tolerance expression and risk assessment purposes (no DP#, G. Kramer, meeting date 14-JUL-1994). Note, that the drinking water residue of concern for risk assessment purposes was decided by the difenoconazole risk assessment team (Memo, S. Levy, *et al.*, 23-NOV-1999; DP# 258774).

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

Table 1: Difenoconazole Residues of Concern in Plants and Ruminants.

| Matrix | Residues of Concern | |
|----------|---------------------|--------------------------|
| | For Risk Assessment | For Tolerance Expression |
| Plants | Parent Only | Parent Only |
| Ruminant | Parent Only | Parent Only |
| Milk | Parent Only | Parent Only |
| Water | Parent Only | NA |

Recommended Tolerances: Based on the residue chemistry data submitted with the current petitions, HED recommended for establishment of the food tolerances listed in Table 2 (DP# 307074, S. Levy, 03-AUG-2005):

Table 2: HED-Recommended Tolerances for Difenoconazole.

| Commodity | Recommended Tolerance (ppm) |
|---|-----------------------------|
| Grape | 0.10 |
| Fruit, pome, group 11 | 0.10 |
| Barley, hay ¹ | 0.05 |
| Barley, straw ¹ | 0.05 |
| Barley, forage ¹ | 0.05 |
| Cotton, undelinted seed | 0.05 |
| Cotton, gin byproducts | 0.05 |
| Corn, sweet, forage | 0.01 |
| Corn, sweet, stover | 0.01 |
| Corn, sweet, kernel plus cob with husks removed | 0.01 |

¹ A tolerance is established at 0.10 ppm for imported barley grain.

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

Residues used in the Acute Analysis (see Attachment 2): The acute analysis assumed tolerance-level residues and 100% CT for all commodities. DEEM™ (ver. 7.76) default processing factors were assumed for all processed commodities.

Residues used in the Chronic Analysis (see Attachment 4): The chronic analysis assumed tolerance-level residues for all proposed commodities, ARs previously calculated for the registered commodities (see Attachment 1) and 100% CT and DEEM™ (ver. 7.76) default processing factors for all commodities (partially refined, Tier 2 analyses). Note that the meat and milk ARs that were previously calculated for the 1999 assessment had %CT incorporated directly into the residue input value.

Water Residues Used in the Analyses: The drinking water values used in the dietary risk assessment were provided by the Environmental Fate and Effects Division (EFED; Memo, M. Janson, *et al.*, 02-MAY-2005; DP# 307166). EFED used the FIRST (version 1.0; Aug. 1, 2001) and SCI-GROW (Screening Concentration in Ground Water; version 2.3; Nov. 4, 2003) screening models to assess estimated drinking water concentrations (EDWCs) of difenoconazole in surface water and ground water, respectively. For surface drinking water, results from FIRST indicate that the peak (acute) concentration of difenoconazole is not likely to exceed 0.60 µg/L (ppb), and that the average annual (chronic) concentration is not likely to exceed 0.14 µg/L (ppb). For ground water, SCI-GROW indicates that difenoconazole concentrations are not likely to exceed 0.0008 µg/L (ppb). These values generally represent upper-bound estimates of the concentrations that might be found in surface water and groundwater due to the use of difenoconazole as a wheat, triticale, and canola seed treatment. Both models provide estimates that are suitable for screening purposes.

III. Program and Consumption Information

DEEM-FCID™ Program and Consumption Information: Difenoconazole acute and chronic dietary exposure assessments were conducted using the DEEM-FCID™ (ver. 2.03), which incorporates consumption data from USDA's CSFII (1994-1996 and 1998). The 1994-96, 98 data are based on the reported consumption of more than 20,000 individuals over two non-consecutive survey days. Foods "as consumed" (*i.e.*, apple pie) are linked to EPA-defined food commodities (*i.e.*, apples, peeled fruit - cooked; fresh or N/S; baked; or wheat flour - cooked; fresh or N/S, baked) using publicly available recipe translation files developed jointly by USDA/ARS and EPA. For chronic exposure assessment, consumption data are averaged for the entire U.S. population and within population subgroups, but for acute exposure assessment are retained as individual consumption events. Based on analysis of the 1994-96, 98 CSFII consumption data, which took into account dietary patterns and survey respondents, HED concluded that it is most appropriate to report risk for the following population subgroups: the general U.S. population, all infants (<1 year old), children 1-2, children 3-5, children 6-12, youth 13-19, adults 20-49, females 13-49, and adults 50+ years old.

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

For chronic dietary exposure assessment, an estimate of the residue level in each food or food-form (*i.e.*, orange or orange juice) on the food commodity residue list is multiplied by the average daily consumption estimate for that food/food form. The resulting residue consumption estimate for each food/food form is summed with the residue consumption estimates for all other food/food forms on the commodity residue list to arrive at the total average estimated exposure. Exposure is expressed in mg/kg body weight/day and as a percent of the cPAD. This procedure is performed for each population subgroup.

For acute exposure assessments, individual one-day food consumption data are used on an individual-by-individual basis. The reported consumption amounts of each food item can be multiplied by a residue point estimate and summed to obtain a total daily pesticide exposure for a deterministic exposure assessment, or "matched" in multiple random pairings with residue values and then summed in a probabilistic assessment. The resulting distribution of exposures is expressed as a percentage of the aPAD on both a user (*i.e.*, those who reported eating relevant commodities/food forms) and a per-capita (*i.e.*, those who reported eating the relevant commodities as well as those who did not) basis. In accordance with HED policy, per capita exposure and risk are reported for all tiers of analysis. However, for Tiers 1 and 2, significant differences in user vs. per capita exposure and risk are identified and noted in the risk assessment.

IV. Toxicological Information

On 08-SEP-1998, HED's Hazard Identification Assessment Review Committee (HIARC) evaluated the toxicology data base of difenoconazole and re-assessed the RfD established in 1994, as well as the toxicological endpoints for the dietary and occupational exposure risk assessments that were selected in 1994. At this meeting, the HIARC also addressed the potential enhanced sensitivity of infants and children from exposure to difenoconazole as required by FQPA of 1996 (HED Doc. No. 012873, 25-SEP-1998). Shortly thereafter, the HED FQPA SFC met on 19-OCT-1998 and recommended that the default 10x FQPA Safety Factor (SF) be reduced to 1x when assessing acute and chronic dietary exposures (HED Doc. No. 012924, 28-OCT-1998). This decision is supported by recent OPP Guidance ("Determination of the Appropriate FQPA SF(s) in Tolerance Assessment," 2002), which recommends reduction of the 10x SF in cases where the degree of concern for susceptibility to infants and children is low, residual uncertainties in the database are low, and the overall confidence in the risk assessment is high. Difenoconazole is neither a developmental nor a reproductive toxicant; therefore, the degree of concern for pre- and postnatal toxicity is low. Moreover, there are no residual uncertainties in the toxicology database.

An acute dose and endpoint were not selected for the general U.S. population, including infants and children because there were no effects observed in oral toxicology studies including maternal toxicity in the developmental toxicity studies in rats and rabbits that are attributable to a single exposure (dose).

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

For purposes of this action, HED recently reviewed HED's 27-JUL-1994 Cancer Peer Review Committee (CPRC) report (Memo, Jess Rowland and Esther Rinde) on difenoconazole and the supporting data-evaluation records (DERs). HED concluded that difenoconazole is a very weak carcinogen, showing effects only at excessive doses. In retrospect, the CPRC should have classified this pesticide as a category C with no linear quantification of cancer risk. The cRfD, based on borderline liver effects in male rats at 24.1 mg/kg and a NOAEL of 0.96 mg/kg, would certainly be protective of any carcinogenic effects seen in the mouse (Memo, S. Levy *et al.*, 05-AUG-2005; DP# 319944). Therefore, a cancer dietary assessment was *not* conducted for difenoconazole.

Table 3. Summary of Toxicological Doses and Endpoints of Difenoconazole.

| Exposure Scenario | Dose Used in Risk Assessment, UF | Special FQPA SF* and Level of Concern (LOC) for Risk Assessment | Study and Toxicological Effects |
|---|---|--|--|
| Acute Dietary (females 13-49 years old) | NOAEL = 25 mg/kg/day UF = 100 aRfD = 0.25 mg/kg/day | FQPA SF = 1x aPAD = aRfD/FQPA SF = 0.25 mg/kg/day | Developmental Rabbit -post-implantation loss, increased resorptions per doe, decreased fetal body weight |
| Acute Dietary (General population including infants and children) | An endpoint of concern attributable to a single exposure (dose) for the general population was not identified from the oral toxicity studies including the rat and rabbit developmental toxicity studies. | | |
| Chronic Dietary (all populations) | NOAEL = 0.96 mg/kg/day UF = 100 cRfD = 0.01 mg/kg/day | FQPA SF = 1x cPAD = cRfD/FQPA SF = 0.01 mg/kg/day | Chronic/Onco Rat -cumulative decreases in body weight gains |
| Short-Term Dermal ¹ (1-30 days) | oral NOAEL = 25 mg/kg/day | Residential LOC for MOE = 100 | Developmental Rabbit post-implantation loss, increased resorptions per doe, decreased body weight |
| Intermediate-Term Dermal ¹ (1-6 months) | oral NOAEL=1.25 mg/kg/day | Residential LOC for MOE = 100 | 2-Generation Reproduction Rat -based on decreased pup weight on day 21 |
| Inhalation (Any time period) | None | Based on the low acute toxicity [Toxicity Category IV], the application rate, the application method, and the number of applications, there is minimal concern for potential inhalation exposure/risk. This risk assessment is not required. | |

¹ The HIARC estimated a dermal-absorption factor of 75% based on the LOAEL established for the same endpoint in the oral developmental toxicity study in rabbits and the 21-day dermal toxicity study in rabbits.

V. Results/Discussion

As stated above, for acute and chronic assessments, HED is concerned when dietary risk exceeds 100% of the aPAD or cPAD, respectively. The following paragraphs are summaries of the DEEM-FCID™ (ver. 2.03) acute and chronic exposure analyses.

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

DEEM-FCID™: Acute and chronic analyses were performed using DEEM-FCID™ (ver. 2.03). DEEM-FCID™ (ver. 2.03) estimates the dietary exposure of the U.S. population and various population subgroups. The results reported in Tables 4 and 5 are for the general U.S. population, all infants (<1 year old), children 1-2, children 3-5, children 6-12, youth 13-19, females 13-49, adults 20-49, and adults 50+ years old. The acute (95th percentile) and chronic dietary food exposure estimates were less than HED's level of concern (<100% aPAD and <100% cPAD, respectively) and are summarized in Tables 4 and 5 (see Attachments 3 and 5 for details).

Table 4: Summary of Acute Dietary Exposure and Risk for Difenoconazole at the 95th Percentile.

| Population Subgroup ¹ | aPAD (mg/kg/day) | Exposure (mg/kg/day) | %aPAD |
|----------------------------------|------------------|----------------------|-------|
| Females 13-49 years old | 0.25 | 0.001062 | <1.0 |

¹ An endpoint attributable to a single exposure (dose) was not identified for the general U.S. population, including infants and children.

Table 5: Summary of Chronic Dietary Exposure and Risk for Difenoconazole.

| Population Subgroup | cPAD (mg/kg/day) | Exposure (mg/kg/day) | %cPAD |
|----------------------------|------------------|----------------------|-------|
| General U.S. Population | 0.01 | 0.000240 | 2.4 |
| All Infants (< 1 year old) | | 0.001004 | 10 |
| Children 1-2 years old | | 0.001558 | 16 |
| Children 3-5 years old | | 0.000933 | 9.3 |
| Children 6-12 years old | | 0.000330 | 3.3 |
| Youth 13-19 years old | | 0.000126 | 1.3 |
| Females 13-49 years old | | 0.000121 | 1.2 |
| Adults 20-49 years old | | 0.000120 | 1.2 |
| Adults 50+ years old | | 0.000126 | 1.3 |

VI. Characterization of Inputs/Outputs

The acute analysis is highly conservative in that tolerance-level residues, DEEM™ default processing factors, and 100% CT were assumed. The acute analysis could be further refined through the use of ARs for all commodities, % market share data for the proposed commodities, %CT data for registered commodities, and/or processing factors for all commodities.

The chronic analysis assumed tolerance-level residues for all proposed commodities, ARs previously calculated for registered commodities, and 100% CT and DEEM™ (ver. 7.76) default processing factors for all commodities (partially refined, Tier 2 analyses). The chronic analysis could be further refined through the use of % market share data for the proposed commodities, and/or processing factors for all commodities.

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

VII. Conclusions

Acute and chronic dietary risk assessments were conducted using the DEEM-FCID™ (ver. 2.03) model. The acute analysis assumed tolerance-level residues, 100% CT, and DEEM™ (ver. 7.76) default processing factors for all proposed and registered commodities (Tier 1). The resulting acute food exposure estimate was less than HED's level of concern ($\leq 1.0\%$ aPAD for females 13-49 years old).

The chronic analysis assumed tolerance-level residues for all proposed commodities, ARs previously calculated for the registered commodities, and 100% CT and DEEM™ (ver. 7.76) default processing factors for all commodities (partially refined, Tier 2 analyses). The resulting chronic food exposure estimates were less than HED's level of concern ($\leq 16\%$ cPAD; children 1-2 years old were the most highly exposed population).

VIII. Attachments

- Attachment 1: AR Table from Previous Difenoconazole Dietary Assessment (Memo, S. Chun, 12-OCT-1999; DP# 258775)
- Attachment 2: DEEM-FCID™ Acute Residue File
- Attachment 3: DEEM-FCID™ Acute Exposure Estimates
- Attachment 4: DEEM-FCID™ Chronic Residue File
- Attachment 5: DEEM-FCID™ Chronic Exposure Estimates

cc with all attachments: S. Levy (RAB1)
RDI: DESAC (15-JUL-2005)
S. Levy:806T:CM#2:(703)305-0783:7590

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

**Attachment 1: AR Table from Previous Difenoconazole Dietary Assessment
(Memo, S. Chun, 12-OCT-1999; DP# 258775)**

| Commodity | Residue Levels to Use in Chronic DEEM™ Analysis (ppm) |
|--|---|
| Bananas | 0.01 |
| Plantains | 0.01 |
| Canola | 0.005 |
| Wheat grain | 0.005 |
| Sweet Corn | 0.005 |
| Meat* | 0.000014 |
| Meat by-products (except kidney)* | 0.00044 |
| Kidney* | 0.00012 |
| Fat* | 0.000041 |
| Milk | 0.000013 |
| Poultry meat | 0.000006 |
| Poultry meat by-products (except kidney) | 0.000023 |
| Poultry kidney | 0.000034 |
| Poultry fat | 0.0000030 |
| Eggs | 0.000019 |
| Egg whites | 0.0000043 |
| Egg yolk | 0.000046 |

* These ARs should be used for meat, fat and meat by-products of cattle, horses, goats, hogs, and sheep.

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

Attachment 2: DEEM-FCID™ Acute Residue File

U.S. Environmental Protection Agency

Ver. 2.02

DEEM-FCID Acute analysis for DIFENOCONAZOLE

Residue file name: C:\difenoconazole_acute.R98

Analysis Date 07-28-2005

Residue file dated: 07-28-2005/11:11:07/8

Reference dose: aRfD = 0.25 mg/kg bw/day NOEL = 25 mg/kg bw/day

| EPA Comment Code | Crop Grp | Food Name | Def Res (ppm) | Adj. Factors | |
|------------------------|-------------|----------------------------------|------------------|--------------|-------|
| | | | | #1 | #2 |
| 11000070 | 11 | Apple, fruit with peel | 0.100000 | 1.000 | 1.000 |
| 11000080 | 11 | Apple, peeled fruit | 0.100000 | 1.000 | 1.000 |
| 11000081 | 11 | Apple, peeled fruit-babyfood | 0.100000 | 1.000 | 1.000 |
| 11000090 | 11 | Apple, dried | 0.100000 | 8.000 | 1.000 |
| 11000091 | 11 | Apple, dried-babyfood | 0.100000 | 8.000 | 1.000 |
| 11000100 | 11 | Apple, juice | 0.100000 | 1.200 | 1.000 |
| 11000101 | 11 | Apple, juice-babyfood | 0.100000 | 1.200 | 1.000 |
| 11000110 | 11 | Apple, sauce | 0.100000 | 1.000 | 1.000 |
| 11000111 | 11 | Apple, sauce-babyfood | 0.100000 | 1.000 | 1.000 |
| 95000230 | O | Banana | 0.200000 | 1.000 | 1.000 |
| 95000231 | O | Banana-babyfood | 0.200000 | 1.000 | 1.000 |
| 95000240 | O | Banana, dried | 0.200000 | 3.900 | 1.000 |
| 95000241 | O | Banana, dried-babyfood | 0.200000 | 3.900 | 1.000 |
| 15000250 | 15 | Barley, pearled barley | 0.100000 | 1.000 | 1.000 |
| 15000251 | 15 | Barley, pearled barley-babyfood | 0.100000 | 1.000 | 1.000 |
| 15000260 | 15 | Barley, flour | 0.100000 | 1.000 | 1.000 |
| 15000261 | 15 | Barley, flour-babyfood | 0.100000 | 1.000 | 1.000 |
| 15000270 | 15 | Barley, bran | 0.100000 | 1.000 | 1.000 |
| 21000440 | M | Beef, meat | 0.050000 | 1.000 | 1.000 |
| 21000441 | M | Beef, meat-babyfood | 0.050000 | 1.000 | 1.000 |
| 21000450 | M | Beef, meat, dried | 0.050000 | 1.920 | 1.000 |
| 21000460 | M | Beef, meat byproducts | 0.050000 | 1.000 | 1.000 |
| 21000461 | M | Beef, meat byproducts-babyfood | 0.050000 | 1.000 | 1.000 |
| 21000470 | M | Beef, fat | 0.050000 | 1.000 | 1.000 |
| 21000471 | M | Beef, fat-babyfood | 0.050000 | 1.000 | 1.000 |
| 21000480 | M | Beef, kidney | 0.050000 | 1.000 | 1.000 |
| 21000490 | M | Beef, liver | 0.050000 | 1.000 | 1.000 |
| 21000491 | M | Beef, liver-babyfood | 0.050000 | 1.000 | 1.000 |
| 40000930 | P | Chicken, meat | 0.050000 | 1.000 | 1.000 |
| 40000931 | P | Chicken, meat-babyfood | 0.050000 | 1.000 | 1.000 |
| 40000940 | P | Chicken, liver | 0.050000 | 1.000 | 1.000 |
| 40000950 | P | Chicken, meat byproducts | 0.050000 | 1.000 | 1.000 |
| 40000951 | P | Chicken, meat byproducts-babyfoo | 0.050000 | 1.000 | 1.000 |
| 40000960 | P | Chicken, fat | 0.050000 | 1.000 | 1.000 |
| 40000961 | P | Chicken, fat-babyfood | 0.050000 | 1.000 | 1.000 |
| 40000970 | P | Chicken, skin | 0.050000 | 1.000 | 1.000 |
| 40000971 | P | Chicken, skin-babyfood | 0.050000 | 1.000 | 1.000 |
| 15001260 | 15 | Corn, pop | 0.010000 | 1.000 | 1.000 |
| 15001270 | 15 | Corn, sweet | 0.010000 | 1.000 | 1.000 |
| 15001271 | 15 | Corn, sweet-babyfood | 0.010000 | 1.000 | 1.000 |
| 95001280 | O | Cottonseed, oil | 0.050000 | 1.000 | 1.000 |
| 95001281 | O | Cottonseed, oil-babyfood | 0.050000 | 1.000 | 1.000 |
| 11001290 | 11 | Crabapple | 0.100000 | 1.000 | 1.000 |
| 70001450 | P | Egg, whole | 0.050000 | 1.000 | 1.000 |
| 70001451 | P | Egg, whole-babyfood | 0.050000 | 1.000 | 1.000 |
| 70001460 | P | Egg, white | 0.050000 | 1.000 | 1.000 |
| 70001461 | P | Egg, white (solids)-babyfood | 0.050000 | 1.000 | 1.000 |
| 70001470 | P | Egg, yolk | 0.050000 | 1.000 | 1.000 |

| Difenoconazole | | Dietary Exposure Assessment | | DP#: 319943 | |
|-----------------|----|----------------------------------|----------|-------------|-------|
| PC Code: 128847 | | | | | |
| 70001471 | P | Egg, yolk-babyfood | 0.050000 | 1.000 | 1.000 |
| 23001690 | M | Goat, meat | 0.050000 | 1.000 | 1.000 |
| 23001700 | M | Goat, meat byproducts | 0.050000 | 1.000 | 1.000 |
| 23001710 | M | Goat, fat | 0.050000 | 1.000 | 1.000 |
| 23001720 | M | Goat, kidney | 0.050000 | 1.000 | 1.000 |
| 23001730 | M | Goat, liver | 0.050000 | 1.000 | 1.000 |
| 95001750 | O | Grape | 0.100000 | 1.000 | 1.000 |
| 95001760 | O | Grape, juice | 0.100000 | 1.200 | 1.000 |
| 95001761 | O | Grape, juice-babyfood | 0.100000 | 1.200 | 1.000 |
| 95001770 | O | Grape, leaves | 0.100000 | 1.000 | 1.000 |
| 95001780 | O | Grape, raisin | 0.100000 | 4.300 | 1.000 |
| 95001790 | O | Grape, wine and sherry | 0.100000 | 1.000 | 1.000 |
| 24001890 | M | Horse, meat | 0.050000 | 1.000 | 1.000 |
| 11002100 | 11 | Loquat | 0.100000 | 1.000 | 1.000 |
| 28002210 | M | Meat, game | 0.050000 | 1.000 | 1.000 |
| 27002220 | D | Milk, fat | 0.010000 | 1.000 | 1.000 |
| 27002221 | D | Milk, fat - baby food/infant for | 0.010000 | 1.000 | 1.000 |
| 27012230 | D | Milk, nonfat solids | 0.010000 | 1.000 | 1.000 |
| 27012231 | D | Milk, nonfat solids-baby food/in | 0.010000 | 1.000 | 1.000 |
| 27022240 | D | Milk, water | 0.010000 | 1.000 | 1.000 |
| 27022241 | D | Milk, water-babyfood/infant form | 0.010000 | 1.000 | 1.000 |
| 27032251 | D | Milk, sugar (lactose)-baby food/ | 0.010000 | 1.000 | 1.000 |
| 11002660 | 11 | Pear | 0.100000 | 1.000 | 1.000 |
| 11002661 | 11 | Pear-babyfood | 0.100000 | 1.000 | 1.000 |
| 11002670 | 11 | Pear, dried | 0.100000 | 6.250 | 1.000 |
| 11002680 | 11 | Pear, juice | 0.100000 | 1.000 | 1.000 |
| 11002681 | 11 | Pear, juice-babyfood | 0.100000 | 1.000 | 1.000 |
| 95002830 | O | Plantain | 0.200000 | 1.000 | 1.000 |
| 95002840 | O | Plantain, dried | 0.200000 | 3.900 | 1.000 |
| 25002900 | M | Pork, meat | 0.050000 | 1.000 | 1.000 |
| 25002901 | M | Pork, meat-babyfood | 0.050000 | 1.000 | 1.000 |
| 25002910 | M | Pork, skin | 0.050000 | 1.000 | 1.000 |
| 25002920 | M | Pork, meat byproducts | 0.050000 | 1.000 | 1.000 |
| 25002921 | M | Pork, meat byproducts-babyfood | 0.050000 | 1.000 | 1.000 |
| 25002930 | M | Pork, fat | 0.050000 | 1.000 | 1.000 |
| 25002931 | M | Pork, fat-babyfood | 0.050000 | 1.000 | 1.000 |
| 25002940 | M | Pork, kidney | 0.050000 | 1.000 | 1.000 |
| 25002950 | M | Pork, liver | 0.050000 | 1.000 | 1.000 |
| 60003010 | P | Poultry, other, meat | 0.050000 | 1.000 | 1.000 |
| 60003020 | P | Poultry, other, liver | 0.050000 | 1.000 | 1.000 |
| 60003030 | P | Poultry, other, meat byproducts | 0.050000 | 1.000 | 1.000 |
| 60003040 | P | Poultry, other, fat | 0.050000 | 1.000 | 1.000 |
| 60003050 | P | Poultry, other, skin | 0.050000 | 1.000 | 1.000 |
| 11003100 | 11 | Quince | 0.100000 | 1.000 | 1.000 |
| 29003120 | M | Rabbit, meat | 0.050000 | 1.000 | 1.000 |
| 20003190 | 20 | Rapeseed, oil | 0.010000 | 1.000 | 1.000 |
| 20003191 | 20 | Rapeseed, oil-babyfood | 0.010000 | 1.000 | 1.000 |
| 15003280 | 15 | Rye, grain | 0.100000 | 1.000 | 1.000 |
| 15003290 | 15 | Rye, flour | 0.100000 | 1.000 | 1.000 |
| 26003390 | M | Sheep, meat | 0.050000 | 1.000 | 1.000 |
| 26003391 | M | Sheep, meat-babyfood | 0.050000 | 1.000 | 1.000 |
| 26003400 | M | Sheep, meat byproducts | 0.050000 | 1.000 | 1.000 |
| 26003410 | M | Sheep, fat | 0.050000 | 1.000 | 1.000 |
| 26003411 | M | Sheep, fat-babyfood | 0.050000 | 1.000 | 1.000 |
| 26003420 | M | Sheep, kidney | 0.050000 | 1.000 | 1.000 |
| 26003430 | M | Sheep, liver | 0.050000 | 1.000 | 1.000 |
| 50003820 | P | Turkey, meat | 0.050000 | 1.000 | 1.000 |
| 50003821 | P | Turkey, meat-babyfood | 0.050000 | 1.000 | 1.000 |
| 50003830 | P | Turkey, liver | 0.050000 | 1.000 | 1.000 |
| 50003831 | P | Turkey, liver-babyfood | 0.050000 | 1.000 | 1.000 |
| 50003840 | P | Turkey, meat byproducts | 0.050000 | 1.000 | 1.000 |

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

| | | | | | |
|----------|----|----------------------------------|----------|-------|-------|
| 50003841 | P | Turkey, meat byproducts-babyfood | 0.050000 | 1.000 | 1.000 |
| 50003850 | P | Turkey, fat | 0.050000 | 1.000 | 1.000 |
| 50003851 | P | Turkey, fat-babyfood | 0.050000 | 1.000 | 1.000 |
| 50003860 | P | Turkey, skin | 0.050000 | 1.000 | 1.000 |
| 50003861 | P | Turkey, skin-babyfood | 0.050000 | 1.000 | 1.000 |
| 86010000 | O | Water, direct, all sources | 0.000600 | 1.000 | 1.000 |
| 86020000 | O | Water, indirect, all sources | 0.000600 | 1.000 | 1.000 |
| 15004010 | 15 | Wheat, grain | 0.100000 | 1.000 | 1.000 |
| 15004011 | 15 | Wheat, grain-babyfood | 0.100000 | 1.000 | 1.000 |
| 15004020 | 15 | Wheat, flour | 0.100000 | 1.000 | 1.000 |
| 15004021 | 15 | Wheat, flour-babyfood | 0.100000 | 1.000 | 1.000 |
| 15004030 | 15 | Wheat, germ | 0.100000 | 1.000 | 1.000 |
| 15004040 | 15 | Wheat, bran | 0.100000 | 1.000 | 1.000 |

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

Attachment 3: DEEM-FCID™ Acute Exposure Estimates

U.S. Environmental Protection Agency
DEEM-FCID ACUTE Analysis for DIFENOCONAZOLE
Residue file: difenoconazole_acute.R98
Analysis Date: 07-28-2005/11:12:50
NOEL (Acute) = 25.000000 mg/kg body-wt/day
Acute Pop Adjusted Dose (aPAD) varies with population; see individual reports
Daily totals for food and foodform consumption used.
Run Comment: ""

Ver. 2.02

(1994-98 data)

Adjustment factor #2 used.

Residue file dated: 07-28-2005/11:11:07/8

Summary calculations (per capita):

| 95th Percentile | | | 99th Percentile | | | 99.9th Percentile | | |
|--------------------------------------|--------|-------|-----------------|--------|-------|-------------------|--------|-------|
| Exposure | % aPAD | MOE | Exposure | % aPAD | MOE | Exposure | % aPAD | MOE |
| Females 13+ (preg/not nursing): | | | | | | | | |
| 0.001502 | 0.60 | 16643 | 0.002952 | 1.18 | 8468 | 0.002957 | 1.18 | 8453 |
| Females 13+ (nursing): | | | | | | | | |
| 0.001149 | 0.46 | 21766 | 0.001381 | 0.55 | 18108 | 0.001445 | 0.58 | 17302 |
| Females 13-19 (not preg or nursing): | | | | | | | | |
| 0.001261 | 0.50 | 19822 | 0.002085 | 0.83 | 11991 | 0.004269 | 1.71 | 5856 |
| Females 20+ (not preg or nursing): | | | | | | | | |
| 0.001011 | 0.40 | 24723 | 0.001487 | 0.59 | 16812 | 0.002173 | 0.87 | 11502 |
| Females 13-50 yrs: | | | | | | | | |
| 0.001061 | 0.42 | 23566 | 0.001585 | 0.63 | 15775 | 0.002768 | 1.11 | 9030 |
| Females 13-49 yrs: | | | | | | | | |
| 0.001062 | 0.42 | 23529 | 0.001585 | 0.63 | 15768 | 0.002774 | 1.11 | 9011 |

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

Attachment 4: DEEM-FCID™ Chronic Residue File

U.S. Environmental Protection Agency Ver. 2.00
DEEM-FCID Chronic analysis for DIFENOCONAZOLE 1994-98 data
Residue file: C:\difenoconazole_chronic.R98 Adjust. #2 used
Analysis Date 07-28-2005 Residue file dated: 07-28-2005/11:14:06/8
Reference dose (RfD) = 0.01 mg/kg bw/day
Comment: Chronic file

| Food Crop | | | Residue | Adj. Factors | |
|--|-----|----------------------------------|----------|--------------|-------|
| Comment | | | | | |
| EPA Code | Grp | Food Name | (ppm) | #1 | #2 |
| 11000070 | 11 | Apple, fruit with peel | 0.100000 | 1.000 | 1.000 |
| 11000080 | 11 | Apple, peeled fruit | 0.100000 | 1.000 | 1.000 |
| 11000081 | 11 | Apple, peeled fruit-babyfood | 0.100000 | 1.000 | 1.000 |
| 11000090 | 11 | Apple, dried | 0.100000 | 8.000 | 1.000 |
| 11000091 | 11 | Apple, dried-babyfood | 0.100000 | 8.000 | 1.000 |
| 11000100 | 11 | Apple, juice | 0.100000 | 1.300 | 1.000 |
| 11000101 | 11 | Apple, juice-babyfood | 0.100000 | 1.300 | 1.000 |
| 11000110 | 11 | Apple, sauce | 0.100000 | 1.000 | 1.000 |
| 11000111 | 11 | Apple, sauce-babyfood | 0.100000 | 1.000 | 1.000 |
| 95000230 | O | Banana | 0.010000 | 1.000 | 1.000 |
| 95000231 | O | Banana-babyfood | 0.010000 | 1.000 | 1.000 |
| 95000240 | O | Banana, dried | 0.010000 | 3.900 | 1.000 |
| 95000241 | O | Banana, dried-babyfood | 0.010000 | 3.900 | 1.000 |
| 15000250 | 15 | Barley, pearled barley | 0.100000 | 1.000 | 1.000 |
| 15000251 | 15 | Barley, pearled barley-babyfood | 0.100000 | 1.000 | 1.000 |
| 15000260 | 15 | Barley, flour | 0.100000 | 1.000 | 1.000 |
| 15000261 | 15 | Barley, flour-babyfood | 0.100000 | 1.000 | 1.000 |
| 15000270 | 15 | Barley, bran | 0.100000 | 1.000 | 1.000 |
| 21000440 | M | Beef, meat | 0.000014 | 1.000 | 1.000 |
| 21000441 | M | Beef, meat-babyfood | 0.000014 | 1.000 | 1.000 |
| 21000450 | M | Beef, meat, dried | 0.000014 | 1.920 | 1.000 |
| 21000460 | M | Beef, meat byproducts | 0.000440 | 1.000 | 1.000 |
| 21000461 | M | Beef, meat byproducts-babyfood | 0.000440 | 1.000 | 1.000 |
| 21000470 | M | Beef, fat | 0.000041 | 1.000 | 1.000 |
| 21000471 | M | Beef, fat-babyfood | 0.000041 | 1.000 | 1.000 |
| 21000480 | M | Beef, kidney | 0.000120 | 1.000 | 1.000 |
| 21000490 | M | Beef, liver | 0.000440 | 1.000 | 1.000 |
| 21000491 | M | Beef, liver-babyfood | 0.000440 | 1.000 | 1.000 |
| 40000930 | P | Chicken, meat | 0.000006 | 1.000 | 1.000 |
| 40000931 | P | Chicken, meat-babyfood | 0.000006 | 1.000 | 1.000 |
| 40000940 | P | Chicken, liver | 0.000023 | 1.000 | 1.000 |
| 40000950 | P | Chicken, meat byproducts | 0.000023 | 1.000 | 1.000 |
| 40000951 | P | Chicken, meat byproducts-babyfoo | 0.000023 | 1.000 | 1.000 |
| 40000960 | P | Chicken, fat | 0.000003 | 1.000 | 1.000 |
| 40000961 | P | Chicken, fat-babyfood | 0.000003 | 1.000 | 1.000 |
| 40000970 | P | Chicken, skin | 0.000034 | 1.000 | 1.000 |
| Full comment: Used the highest poultry AR from prev. assess. | | | | | |
| 40000971 | P | Chicken, skin-babyfood | 0.000034 | 1.000 | 1.000 |
| Full comment: Used the highest poultry AR from prev. assess. | | | | | |
| 15001260 | 15 | Corn, pop | 0.010000 | 1.000 | 1.000 |
| 15001270 | 15 | Corn, sweet | 0.010000 | 1.000 | 1.000 |
| 15001271 | 15 | Corn, sweet-babyfood | 0.010000 | 1.000 | 1.000 |
| 95001280 | O | Cottonseed, oil | 0.050000 | 1.000 | 1.000 |
| 95001281 | O | Cottonseed, oil-babyfood | 0.050000 | 1.000 | 1.000 |
| 11001290 | 11 | Crabapple | 0.100000 | 1.000 | 1.000 |
| 70001450 | P | Egg, whole | 0.000019 | 1.000 | 1.000 |

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

| | | | | | |
|--|----|----------------------------------|----------|-------|-------|
| 70001451 | P | Egg, whole-babyfood | 0.000019 | 1.000 | 1.000 |
| 70001460 | P | Egg, white | 0.000004 | 1.000 | 1.000 |
| 70001461 | P | Egg, white (solids)-babyfood | 0.000004 | 1.000 | 1.000 |
| 70001470 | P | Egg, yolk | 0.000046 | 1.000 | 1.000 |
| 70001471 | P | Egg, yolk-babyfood | 0.000046 | 1.000 | 1.000 |
| 23001690 | M | Goat, meat | 0.000014 | 1.000 | 1.000 |
| 23001700 | M | Goat, meat byproducts | 0.000440 | 1.000 | 1.000 |
| 23001710 | M | Goat, fat | 0.000041 | 1.000 | 1.000 |
| 23001720 | M | Goat, kidney | 0.000120 | 1.000 | 1.000 |
| 23001730 | M | Goat, liver | 0.000440 | 1.000 | 1.000 |
| 95001750 | O | Grape | 0.100000 | 1.000 | 1.000 |
| 95001760 | O | Grape, juice | 0.100000 | 1.200 | 1.000 |
| 95001761 | O | Grape, juice-babyfood | 0.100000 | 1.200 | 1.000 |
| 95001770 | O | Grape, leaves | 0.100000 | 1.000 | 1.000 |
| 95001780 | O | Grape, raisin | 0.100000 | 4.300 | 1.000 |
| 95001790 | O | Grape, wine and sherry | 0.100000 | 1.000 | 1.000 |
| 24001890 | M | Horse, meat | 0.000014 | 1.000 | 1.000 |
| 11002100 | 11 | Loquat | 0.100000 | 1.000 | 1.000 |
| 28002210 | M | Meat, game | 0.000014 | 1.000 | 1.000 |
| 27002220 | D | Milk, fat | 0.000013 | 1.000 | 1.000 |
| 27002221 | D | Milk, fat - baby food/infant for | 0.000013 | 1.000 | 1.000 |
| 27012230 | D | Milk, nonfat solids | 0.000013 | 1.000 | 1.000 |
| 27012231 | D | Milk, nonfat solids-baby food/in | 0.000013 | 1.000 | 1.000 |
| 27022240 | D | Milk, water | 0.000013 | 1.000 | 1.000 |
| 27022241 | D | Milk, water-babyfood/infant form | 0.000013 | 1.000 | 1.000 |
| 27032251 | D | Milk, sugar (lactose)-baby food/ | 0.000013 | 1.000 | 1.000 |
| 11002660 | 11 | Pear | 0.100000 | 1.000 | 1.000 |
| 11002661 | 11 | Pear-babyfood | 0.100000 | 1.000 | 1.000 |
| 11002670 | 11 | Pear, dried | 0.100000 | 6.250 | 1.000 |
| 11002680 | 11 | Pear, juice | 0.100000 | 1.000 | 1.000 |
| 11002681 | 11 | Pear, juice-babyfood | 0.100000 | 1.000 | 1.000 |
| 95002830 | O | Plantain | 0.010000 | 1.000 | 1.000 |
| 95002840 | O | Plantain, dried | 0.010000 | 3.900 | 1.000 |
| 25002900 | M | Pork, meat | 0.000014 | 1.000 | 1.000 |
| 25002901 | M | Pork, meat-babyfood | 0.000014 | 1.000 | 1.000 |
| 25002910 | M | Pork, skin | 0.000470 | 1.000 | 1.000 |
| Full comment: Used the highest cattle AR from prev. assess. | | | | | |
| 25002920 | M | Pork, meat byproducts | 0.000440 | 1.000 | 1.000 |
| 25002921 | M | Pork, meat byproducts-babyfood | 0.000440 | 1.000 | 1.000 |
| 25002930 | M | Pork, fat | 0.000041 | 1.000 | 1.000 |
| 25002931 | M | Pork, fat-babyfood | 0.000041 | 1.000 | 1.000 |
| 25002940 | M | Pork, kidney | 0.000120 | 1.000 | 1.000 |
| 25002950 | M | Pork, liver | 0.000470 | 1.000 | 1.000 |
| 60003010 | P | Poultry, other, meat | 0.000006 | 1.000 | 1.000 |
| 60003020 | P | Poultry, other, liver | 0.000023 | 1.000 | 1.000 |
| 60003030 | P | Poultry, other, meat byproducts | 0.000023 | 1.000 | 1.000 |
| 60003040 | P | Poultry, other, fat | 0.000003 | 1.000 | 1.000 |
| 60003050 | P | Poultry, other, skin | 0.000034 | 1.000 | 1.000 |
| Full comment: Used the highest poultry AR from prev. assess. | | | | | |
| 11003100 | 11 | Quince | 0.100000 | 1.000 | 1.000 |
| 29003120 | M | Rabbit, meat | 0.000014 | 1.000 | 1.000 |
| 20003190 | 20 | Rapeseed, oil | 0.005000 | 1.000 | 1.000 |
| Canola | | | | | |
| Full comment: Canola; AR | | | | | |
| 20003191 | 20 | Rapeseed, oil-babyfood | 0.005000 | 1.000 | 1.000 |
| Canola | | | | | |
| Full comment: Canola; AR | | | | | |
| 15003280 | 15 | Rye, grain | 0.100000 | 1.000 | 1.000 |
| 15003290 | 15 | Rye, flour | 0.100000 | 1.000 | 1.000 |
| 26003390 | M | Sheep, meat | 0.000014 | 1.000 | 1.000 |
| 26003391 | M | Sheep, meat-babyfood | 0.000014 | 1.000 | 1.000 |

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

| | | | | | |
|--|----|----------------------------------|----------|-------|-------|
| 26003400 | M | Sheep, meat byproducts | 0.000440 | 1.000 | 1.000 |
| 26003410 | M | Sheep, fat | 0.000041 | 1.000 | 1.000 |
| 26003411 | M | Sheep, fat-babyfood | 0.000041 | 1.000 | 1.000 |
| 26003420 | M | Sheep, kidney | 0.000120 | 1.000 | 1.000 |
| 26003430 | M | Sheep, liver | 0.000440 | 1.000 | 1.000 |
| 50003820 | P | Turkey, meat | 0.000006 | 1.000 | 1.000 |
| 50003821 | P | Turkey, meat-babyfood | 0.000006 | 1.000 | 1.000 |
| 50003830 | P | Turkey, liver | 0.000023 | 1.000 | 1.000 |
| 50003831 | P | Turkey, liver-babyfood | 0.000023 | 1.000 | 1.000 |
| 50003840 | P | Turkey, meat byproducts | 0.000034 | 1.000 | 1.000 |
| 50003841 | P | Turkey, meat byproducts-babyfood | 0.000034 | 1.000 | 1.000 |
| 50003850 | P | Turkey, fat | 0.000003 | 1.000 | 1.000 |
| 50003851 | P | Turkey, fat-babyfood | 0.000003 | 1.000 | 1.000 |
| 50003860 | P | Turkey, skin | 0.000034 | 1.000 | 1.000 |
| Full comment: Used the highest poultry AR from prev. assess. | | | | | |
| 50003861 | P | Turkey, skin-babyfood | 0.000034 | 1.000 | 1.000 |
| Full comment: Used the highest poultry AR from prev. assess. | | | | | |
| 86010000 | O | Water, direct, all sources | 0.000140 | 1.000 | 1.000 |
| Full comment: 0.14 ppb | | | | | |
| 86020000 | O | Water, indirect, all sources | 0.000140 | 1.000 | 1.000 |
| Full comment: 0.14 ppb | | | | | |
| 15004010 | 15 | Wheat, grain | 0.005000 | 1.000 | 1.000 |
| 15004011 | 15 | Wheat, grain-babyfood | 0.005000 | 1.000 | 1.000 |
| 15004020 | 15 | Wheat, flour | 0.005000 | 1.000 | 1.000 |
| 15004021 | 15 | Wheat, flour-babyfood | 0.005000 | 1.000 | 1.000 |
| 15004030 | 15 | Wheat, germ | 0.005000 | 1.000 | 1.000 |
| 15004040 | 15 | Wheat, bran | 0.005000 | 1.000 | 1.000 |

Difenoconazole
PC Code: 128847

Dietary Exposure Assessment

DP#: 319943

Attachment 5: DEEM-FCID™ Chronic Exposure Estimates

U.S. Environmental Protection Agency Ver. 2.00
DEEM-FCID Chronic analysis for DIFENOCONAZOLE (1994-98 data)
Residue file name: C:\difenoconazole_chronic.R98

Adjustment factor #2 used.

Analysis Date 07-28-2005/11:15:16 Residue file dated: 07-28-2005/11:14:06/8
Reference dose (RfD, Chronic) = .01 mg/kg bw/day

COMMENT 1: Chronic file

=====

Total exposure by population subgroup

| Population Subgroup | Total Exposure | |
|-------------------------------------|----------------------|-------------------|
| | mg/kg body wt/day | Percent of Rfd |
| U.S. Population (total) | 0.000240 | 2.4% |
| U.S. Population (spring season) | 0.000237 | 2.4% |
| U.S. Population (summer season) | 0.000227 | 2.3% |
| U.S. Population (autumn season) | 0.000250 | 2.5% |
| U.S. Population (winter season) | 0.000247 | 2.5% |
| Northeast region | 0.000280 | 2.8% |
| Midwest region | 0.000240 | 2.4% |
| Southern region | 0.000207 | 2.1% |
| Western region | 0.000258 | 2.6% |
| Hispanics | 0.000250 | 2.5% |
| Non-hispanic whites | 0.000240 | 2.4% |
| Non-hispanic blacks | 0.000231 | 2.3% |
| Non-hisp/non-white/non-black | 0.000248 | 2.5% |
| All infants (< 1 year) | 0.001004 | 10.0% |
| Nursing infants | 0.000543 | 5.4% |
| Non-nursing infants | 0.001178 | 11.8% |
| Children 1-6 yrs | 0.001074 | 10.7% |
| Children 7-12 yrs | 0.000293 | 2.9% |
| Females 13-19 (not preg or nursing) | 0.000139 | 1.4% |
| Females 20+ (not preg or nursing) | 0.000118 | 1.2% |
| Females 13-50 yrs | 0.000141 | 1.4% |
| Females 13+ (preg/not nursing) | 0.000178 | 1.8% |
| Females 13+ (nursing) | 0.000161 | 1.6% |
| Males 13-19 yrs | 0.000114 | 1.1% |
| Males 20+ yrs | 0.000125 | 1.2% |
| Seniors 55+ | 0.000129 | 1.3% |
| Children 1-2 yrs | 0.001558 | 15.6% |
| Children 3-5 yrs | 0.000933 | 9.3% |
| Children 6-12 yrs | 0.000330 | 3.3% |
| Youth 13-19 yrs | 0.000126 | 1.3% |
| Adults 20-49 yrs | 0.000120 | 1.2% |
| Adults 50+ yrs | 0.000126 | 1.3% |
| Females 13-49 yrs | 0.000121 | 1.2% |



13544

R112336

Chemical: Difenoconazole

PC Code: 128847

HED File Code 11000 Chemistry Reviews

Memo Date: 08/03/2005

File ID: DPD319943

Accession Number: 412-05-0099

HED Records Reference Center
08/15/2005